

ABSTRACT OF THE DISCLSOURE

The invention relates to a two-dimensional optical scanner in which distortions upon scanning can be reduced in simplified construction and a compact, energy-saving 5 image display system using the same. The two-dimensional optical scanner comprises a light source 10, a scanner unit of gimbal structure for scanning a light beam therefrom in a two-dimensional direction and a scanning optical system 20 comprising a non-rotationally symmetric surface 10 having an action of correction of a distortion upon scanning of the scanned light beam. The scanning optical system 20 comprises a decentered prism comprising an entrance surface 24, a first reflecting surface 23, a second reflecting surface 22 and an exit surface 21. The 15 respective surfaces of the prism are located such that in that prism, a light beam from the entrance surface 24 toward the first reflecting surface 23 crosses a light beam from the second reflecting surface 22 toward the exit surface 21. At least one of the entrance surface 24, 20 first reflecting surface 23, second reflecting surface 22 and exit surface 21 comprises a non-rotationally symmetric surface.